



## REGIONAL TRANSPORTATION COMMISSION

Metropolitan Planning • Public Transportation & Operations • Engineering & Construction

Metropolitan Planning Organization of Washoe County, Nevada

MEETING DATE: September 17, 2021

AGENDA ITEM 4.3

From: Brian Stewart, P.E., Director of Engineering

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### **RECOMMENDED ACTION**

Acknowledge receipt of the monthly Engineering Activity Report.

### **BACKGROUND AND DISCUSSION**

#### **BICYCLE AND PEDESTRIAN IMPROVEMENTS**

##### Bus Stop Improvement and Connectivity Program (Sara Going, Project Manager)

The program is a multi-year effort to upgrade existing bus stops to comply with state and federal requirements. *Status: Construction on the second phase of the project (29 bus stops) continues. Spanish Springs Construction has finished 20 of the 29 bus stops. Final design continues for two more phases to be released later this year and in early 2022.*

##### Center Street Multimodal Improvements (Maria Paz Fernandez, Project Manager)

The project consists of constructing a two-way cycle track from Ninth Street to Moran Street in Reno. The majority of the improvements include traffic signal, pavement markings and signage modifications. Sidewalk improvements in some locations are being incorporated. The project includes design and construction of a dedicated bicycle corridor between the University and downtown/midtown. *Status: Thirty percent (30%) design plans are complete. Additional traffic analysis of the downtown road network is occurring prior to continuing forward with final design, including updating traffic counts. The RTC Board approved an Interlocal Cooperative Agreement (ICA) on August 20, 2021, to provide up to \$75,000 to the City of Reno for a place making study for Virginia Street.*

##### Mill Street Complete Street - Terminal Way to McCarran Boulevard (Scott Gibson, Project Manager)

The scope of this project is to design and construct various complete street improvements along Mill Street from Terminal Way to McCarran Boulevard, as identified in the RTC Complete Streets Masterplan completed in July 2016, and the Mill/Terminal corridor study completed in March 2013. *Status: The RTC Board approved an RTIP amendment on August 20, 2021, that allows the project to be advertised for bids in September. The construction will begin during the winter months and is expected to be completed before July 2022.*

#### **CAPACITY/CONGESTION RELIEF PROJECTS**

##### North Valleys Package 3B (Sara Going, Project Manager)

Package 3B includes adding capacity to the right turn lane at North Virginia Street/Business 395 and improvements to two bus stop pads. *Status: Sierra Nevada Construction, Inc., was awarded the construction contract. Construction will begin late summer 2021 and take about three months to complete.*

### Sparks Boulevard (Jeff Wilbrecht, Project Manager)

The project seeks to increase safety, increase roadway capacity and improve bicycle and pedestrian facilities by widening Sparks Boulevard to six lanes between Greg Street and Baring Boulevard. *Status: Work during the last reporting period consisted of activities associated with the Environmental Assessment (EA); this process works to identify and understand project impacts. In addition, work began to advance plans for Phase 1 of the project to final design [capacity improvements from Greg Street to just past the Interstate 80 (I-80) westbound ramps]. Construction of Phase 1 is anticipated to begin in the spring of 2022. The preliminary plans for Phase 2 (widening and capacity improvements from I-80 to Baring Boulevard) are complete and work with partner agencies is underway to review the design.*

A preferred alternative for the corridor for both phases of the project may be viewed at: [SparksBLVDproject.com](http://SparksBLVDproject.com).

### Steamboat Parkway Improvement (Andrew Jayankura, Project Manager)

The Steamboat Parkway Improvement project includes the intersection widening of Steamboat Parkway and Veterans Parkway, and the roadway widening from four to six lanes on Steamboat Parkway, between Marketplace Drive and Veterans Parkway. *Status: The project team is developing 30% design plans. Construction is anticipated to begin by the summer of 2022.*

### Traffic Signal Timing 6 (Andrew Jayankura, Project Manager)

Following a three-year cycle schedule, the project includes review and timing optimization of approximately one-third of the signals in the region each year. For 2021, approximately 95 intersections will have revised timing implemented. *Status: Optimization and timing on W. McCarran Boulevard (12 signals) from W. Plumb Lane to Kings Row will be complete this fall.*

### Traffic Engineering (TE) Spot 10 – Fuel Tax (Sara Going, Project Manager)

The TE Spot 10 Fuel Tax project will install a new traffic signal at Veterans Parkway and Long Meadow Drive, signal modifications at Victorian Avenue and 16<sup>th</sup> Street and eight new Rectangular Rapid Flashing Beacon (RRFB) enhanced pedestrian crossings regionwide. *Status: The construction of the project has been awarded to PAR Electrical Contractors. The contractor has procured the required materials and installation will begin in September 2021.*

### Traffic Engineering (TE) Spot 10 - South (Blaine Petersen, Project Manager)

The TE Spot 10 - South project will construct a new roundabout at the intersection of 4<sup>th</sup> Street and Woodland Avenue with geometric improvements at the nearby intersection of 4<sup>th</sup> Street and Mesa Park Road. *Status: City of Reno and NDOT staff are reviewing and providing comments on the 90% design plans. A right-of-way setting has been completed and required acquisition activities are under way. The project will be advertised for bids in early 2022.*

### Traffic Engineering (TE) Spot 10 - North (Andrew Jayankura, Project Manager)

The TE Spot 10 – North project includes the intersection improvement of El Rancho Drive and Victorian Avenue. The improvements include north and southbound geometric alignments, new signal heads and poles, pedestrian ramp, signal equipment, and fiber inter-connectivity. *Status: Construction is underway with the installation of new signal poles. The anticipated construction completion is October 2021.*

Traffic Management - ITS Phase 3 (Blaine Petersen, Project Manager)

The project includes conduit and fiber optic cable at the following locations:

- Lake Street, from 1st Street to 2nd Street;
- Lemmon Drive, from North Virginia Street to US 395; and
- Rock Boulevard, from Greg Street to Prater Way.

Also included in ITS Phase 3:

- Road Weather Information Sensor (RWIS) at Sharlands Avenue at Robb Drive
- Twenty Gridsmart Performance Packages.

*Status: Construction is underway on Lake Street, between First and Second Streets. The contractor already completed the work on Rock Boulevard.*

Traffic Management - ITS Phase 4 (Blaine Petersen, Project Manager)

The project includes the installation of conduit and fiber optic cable at the following locations:

- Sharlands Avenue, from Robb Drive to Mae Anne Avenue;
- Double R Boulevard, from South Meadows Parkway to Sandhill Road;
- Geiger Grade, from South Virginia Street to Veterans Parkway;
- Prater Way, from Pyramid Way to the Sparks City Hall traffic center

Also included in the project scope:

- Feasibility studies for Dynamic Message Signs (DMS) and traveler information systems; and
- ITS Master Plan update including a 5-year future ITS project list.

*Status: Right-of-way activities have begun for necessary easements. Comments from the local jurisdictions will be included in the final design documents.*

Golden Valley Road / Beckwourth Drive Traffic Signal (Blaine Petersen, Project Manager)

The project will install a new traffic signal at the intersection of Golden Valley Road and Beckwourth Drive. *Status: Ninety percent (90%) plans are under review by the City of Reno.*

Traffic Signal Installations 22-01 (Blaine Petersen, Project Manager)

The project will install a new traffic signal at the intersection of Mill Street and Telegraph Street and a new traffic signal at the intersection of South Meadows Parkway and Wilbur May Parkway. *Status: Fifty percent (50%) design plans will be completed soon and submitted to the City of Reno for review. The comments received will be incorporated into the ninety percent (90%) design package. The project is on schedule for a spring 2023 construction start date.*

## **CORRIDOR IMPROVEMENT PROJECTS**

Arlington Avenue Bridges (Judy Tortelli, Project Manager)

The Arlington Avenue Bridges project will replace the two existing bridges over the Truckee River in downtown Reno. *Status: A request for proposals for environmental documentation and design work was recently issued. Four proposals were received and are under review. The project team continues to meet with concerned citizens providing information on the project scope, budget and schedule.*

Lemmon Drive (Judy Tortelli, Segment 1 Project Manager and Dale Keller, Segment 2 Project Manager)

The project includes widening Lemmon Drive from US 395 to Military Road from four lanes to six lanes and reconstructing the US 395/Lemmon Drive interchange (Segment 1) and improving Lemmon Drive from Fleetwood Drive to Ramsey Way (Segment 2). *Status: Segment 1 - Q&D Construction (Q&D) continues to work on the west side of Lemmon Drive in advance of roadway widening. Traffic control has been installed trying to minimize impacts to the traveling public. An agreement with the City of Reno was approved by the RTC Board on August 20, 2021, authorizing elements of work be included in the Q&D contract by a Construction Change Order and paid for by the City of Reno.*

*Segment 2 - The project team continues the Level 2 screening process of the top three (3) alternatives for the Segment 2 phase of the project and is engaging with stakeholders.*

Mill Street Widening – Kietzke Lane to Terminal Way (Roy Flores, Project Manager)

The project seeks to improve traffic operations by adding an eastbound lane on Mill Street, from Kietzke Lane to US 395; and enhance safety, multi-modal and ADA infrastructure. *Status: NDOT, as part of Spaghetti Bowl Xpress (SBX), has submitted the Stage 2 design for review. The RTC and City of Reno generated comments that were submitted back to NDOT to be addressed.*

Oddie Boulevard/Wells Avenue Improvement (Maria Paz Fernandez, Project Manager)

The project consists of road reconstruction/reconfiguration and the addition of multimodal improvements. *Status: The RTC's contractor, Granite Construction Inc., has finalized the construction schedule. The first order of work is procuring long lead time materials in anticipation of starting underground utility work within the limits of Phase 1 (Pyramid Way to Sullivan Lane in Sparks) and Phase 2 (Sullivan Lane in Sparks to Silverada Boulevard in Reno). Work within Phases 1 and 2, including road reconstruction, is expected to begin in October 2021. Overall construction, including the remaining phases, is anticipated to occur over three construction seasons and be complete by early 2024.*

Additional project information may be viewed at: <http://oddiewellsproject.com/>, including the latest virtual project update with a detailed construction schedule.

Sky Vista Parkway Widening (Blaine Petersen, Project Manager)

The project includes reconstruction and widening of Sky Vista Parkway from two to four lanes with a two-way left turn lane. The project limits are from just east of Vista Knolls Parkway to Silver Lake Road. Also included in the project scope is construction of new sidewalk, a new roundabout at Sky Vista Parkway and Silver Lake Drive and corridor lighting. *Status: Final design is ongoing and scheduled to be complete this fall with right-of-way activities underway for necessary easements.*

Truckee River Shared Use Path (Jeff Wilbrecht, Project Manager)

The proposed pathway will start at John Champion Memorial Park and continue along the south side of the Truckee River. *Status: Coordination efforts this month included discussions with key stakeholders regarding maintenance of the pathway and law enforcement.*

## PAVEMENT PRESERVATION PROJECTS

### 2021 Preventive Maintenance - Various Locations (Scott Gibson, Project Manager)

The 2021 Preventive Maintenance project is part of the annual program and it consists of patching, crack sealing, and slurry sealing on approximately 200 lane miles of roadway to extend pavement life and keep good roads good. *Status: The project is on schedule to be finished in fall as planned. All pre-sealing work has been completed.*

### Arrowcreek Parkway Rehabilitation (Roy Flores, Project Manager)

The project includes rehabilitation and reconstruction of Arrowcreek Parkway from Rubblestone Drive to S. Virginia Street. *Status: The project has been scoped and a draft contract has been negotiated with the selected consultant.*

### Golden Valley Road Rehab (Sara Going, Project Manager)

The project includes rehabilitation and reconstruction of Golden Valley Road, from Yorkshire Drive to North Virginia Street. *Status: The contractor is performing well and is on schedule to finish the project later this month.*

### Kings Row Rehab – Phase 1 (Jeff Wilbrecht, Project Manager)

The project includes rehabilitation and reconstruction of Kings Row, from Keystone Avenue to Wyoming Avenue. *Status: Sierra Nevada Construction, Inc., is about halfway complete with roadway improvements. Work on the south side of the road will progress through the next reporting period.*

### Kings Row Rehab – Phase 2 (Jeff Wilbrecht, Project Manager)

The project includes rehabilitation and reconstruction of Kings Row, from Wyoming Avenue to McCarran Boulevard. *Status: The design consultant, Lumos and Associates, Inc., recently submitted the sixty percent (60%) plan to the City of Reno for review. RTC has begun the activities for acquiring the rights to construct the project.*

### Newport Lane Rehab (Roy Flores, Project Manager)

The project includes reconstruction of Newport Lane, from Link Lane to McDaniel Street. *Status: The project is under construction by Sierra Nevada Construction, Inc. Construction is anticipated to be complete by end of this October.*

### Peckham Lane Rehab (Andrew Jayankura, Project Manager)

The Peckham Lane Rehab project includes rehabilitation and reconstruction of Peckham Lane, from South Virginia Street to Baker Lane. *Status: The ninety percent (90%) design plans have been submitted and are currently under review.*

### Reno Consolidated 20-01 – Mayberry Drive, California Avenue, and First Street (Judy Tortelli, Project Manager)

The project includes rehabilitation and reconstruction of the following street segments: Mayberry Drive, from Memory Lane to California Avenue, California Avenue, from Hunter Lake Drive to Booth Street and First Street, from Sierra Street to Virginia Street. *Status: The project will be advertised for construction in November after comments from the on hundred percent (100%) design package are addressed and included in the bidding package. Coordination efforts with the City of Reno are underway to review the potential of replacing the traffic signal at the Sierra Street/First Street intersection.*

Reno Consolidated 22-01 – Sky Valley Drive and Sky Mountain Drive (Roy Flores, Project Manager)

The project includes rehabilitation and reconstruction of the following street segments: Sky Valley Drive, from Summit Ridge Drive to the Highland Ditch and Sky Mountain Drive, from the Highland Ditch to Summit Ridge Drive. *Status: The ninety percent (90%) design plans have been reviewed by the RTC and City of Reno. Review comments were submitted back to the consultant to be addressed. Construction is scheduled to begin spring 2022.*

**OTHER PROJECTS**

4<sup>th</sup> Street Station Expansion (Jeff Wilbrecht, Project Manager)

This project includes the expansion of 4<sup>th</sup> Street Station to the south. Preliminary concepts for this expansion include an additional bus lane with electric vehicle charging infrastructure and an area for staff parking. *Status: A request for proposals was issued and proposals were received. Following technical review of the proposals, an interview process determined the most qualified consultant to provide environmental documentation and design services.*

Peppermill BRT Station (Jeff Wilbrecht, Project Manager)

This project includes upgrading the existing Bus Rapid Transit (BRT) station at the northbound Peppermill station to a full size station with level boarding and real time arrival information. Kimley-Horn and Associates, Inc., was selected following a request for proposals process to provide design and construction services of the project. *Status: Preliminary design activities are starting up with Kimley-Horn and Associates, Inc.*